



Atty. Docket No. 10284-019001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Zervos et al.

Art Unit : ~~1655~~ 1637

Serial No. : 09/245,549

Examiner : J. Tung

Filed : February 5, 1999

Title : IN VIVO CONSTRUCTION OF DNA LIBRARIES

Commissioner for Patents
Washington, D.C. 20231

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RESPONSE

In response to the non-final action mailed October 15, 2001, please amend the application as follows and consider the following remarks.

In the claims:

Cancel claim 2.

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Amend claims 3 and 26 as follows. (All the pending claims are reproduced below for the Examiner's convenience.)

1. (Reiterated) A method for constructing a DNA library in vivo, comprising:
providing a plurality of host cells;
providing a vector molecule having a first region and a second region;
providing a plurality of nucleic acid insert molecules, each of the plurality of nucleic acid insert molecules having a first common region which is homologous with said first region of the vector molecule, a second common region which is homologous with said second region of the vector molecule, and a library element encoding region disposed between said first common region and said second common region, wherein when the library element encoding region encodes a naturally occurring sequence, the first and second regions are not naturally found adjacent to the library element encoding region;

introducing the vector molecule into each host cell of the plurality of host cells;
introducing a nucleic acid insert molecule from said plurality of nucleic acid insert molecules into each host cell of said plurality of host cells, wherein a different

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John Ruy